

ABSTRACT OF THE DISCLOSURE

To control the potential distribution generated in a well at the time of amplification and reduce a shading in a solid-state imaging device of 5 amplification type, the amplification type solid-state imaging device of the present invention comprises a plurality of picture elements each including photoelectric conversion elements formed in a second conductivity type common well inside a first 10 conductivity type substrate, wherein a plurality of well contacts are disposed inside a picture element array area.